

R2170 CANbus Receiver Data Sheet

CANbus 2 Way Receiver with E-Stop



The OMNEX R2170 receiver is designed for CANbus protocols and includes an E-Stop function, allowing safe emergency shutdown of power to the outputs and external circuits. This receiver is compatible with SAE J1939 protocol and can be customized to work with other CANbus protocols. As well, it has an RS232 port for configuration, diagnostics, firmware upgrades and has provisions for data logging capabilities. With 2x CAN, this receiver can act as a CAN bridge. Using OMNEX's Trusted Frequency Hopping Spread Spectrum technology, this receiver will provide dependable, interference free operation even in the harshest environments.

Remote Control Solutions

www.omnexcontrols.com | sales@omnexcontrols.com

OMNEX Radio Remote Control is:

Safe, Accurate & Reliable
Customizable
Global & License Free
Interference Free (FHSS)
Maintenance Free

OMNEX will save you money by:

Increasing Operator Productivity
Reducing Unnecessary Manpower
Eliminating Pendants and Wiring
Increasing Machine Revenues

FEATURES

- 2 Way Radio
- CANbus (J1939, CANopen, etc.) communication
- Diagnostic indicators
- Factory configurable for custom applications
- 2.4GHz available
- Weatherproof
- Pendant Capable

APPLICATIONS

- Truck Mounted Cranes • Tow Trucks
- Utility Trucks • Vacuum Trucks
- Service Cranes • Mixer Trucks
- Material Handling Equipment • Marine

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Outputs	2x CANbus (J1939)/RS232/RS485
Inputs	CANbus (J1939)
Indicators & Diagnostics	Five status LEDs
Security	ID code programmed from transmitter, CRC-16 error detection
Power	9 -32VDC
Operating Temperature Range	-40 °F to 158 °F (-40 °C to 70 °C)
Size	5.1" x 4.7" x 1.4" (130mm x 119mm x 36mm)
Weight	.75lbs (345g)
Construction	High impact plastic, weatherproof, UL 94, 746A, C, D, IEC 60695-2-20
Frequency	2.4 - 2.483GHz - ISM band
Antenna Connector	Internal
Approvals / Certificates	USA - FCC Part 15 Class B Canada - ISC RSS 210

Specifications subject to change without notice

Compatible Transmitters



T2300 - 31-Function Belly Pak
2 Way Radio Remote Control



T2400 - 31-Function Belly Pak
2 Way Radio Remote Control

Accessories



Pendant Bracket



Pendant Cable
(optional with T2300)